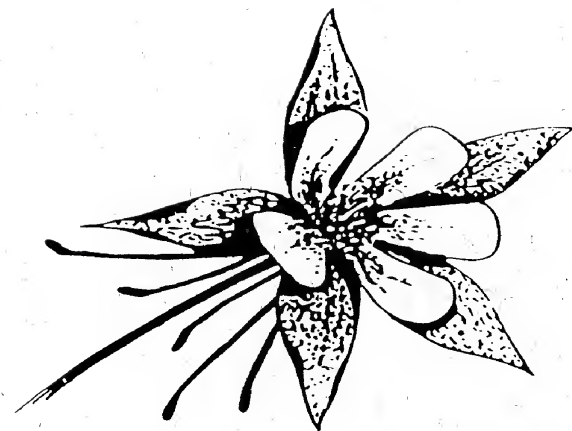


Aquilegia



Newsletter of the Colorado Native Plant Society

"... dedicated to the appreciation and conservation of the Colorado native flora"

Volume 26 Number 2

March - April 2002

Colorado Native Plant Society Field Trips

Field Trip Committee — Gwen Kittel, Chairperson

Sand Hills Flora with Blooming Sand Cherries

May 4, 2002 Saturday from 10:00 AM - 2:00 PM

Leader: Annette Miller

Join **Annette Miller** and landowners **John and Kathy Wagner** for a walk around the Wagner's sand hills property just southwest of Fort Morgan. We will meet at the entrance to their property at 10:00 AM and carpool to areas of special interest. The trip is timed to hopefully catch sand cherries (*Prunus besseyi*) in bloom. The group limit is 30, with a possibility of limited primitive camping for five to ten. To register, contact Annette Miller at (970) 482-3063 or almiller@lamar.colostate.edu. Directions and information will be sent to registrants.

Revegetation of Bent's Old Fort Historic Park

May 26, 2002 Sunday

Leader: Dexter Hess.

Come enjoy scenes from the past, successful tamarix removal, and revegetation with circa 1840 natives along the Arkansas River at Bent's Old Fort National Historic Park. This will be a full day field trip led by **Dexter Hess**. Meeting time and location will be mailed to registrants. An optional half-day excursion to nearby Boggsville, an early agricultural development, may also be possible. For more information and registration, please contact Dexter Hess at (303) 719-3284-2464. This trip is limited to 15 people, so sign up early.

Beginner Wildflower Identification Hike

June 1, 2002 Saturday

Leaders: Gwen Kittel and Alice Guthrie

Boulder County or City Open Space — spring/early summer wildflower hike for beginners. Come learn to identify your favorite flowers! No experience necessary. Participants will learn some of the non-intimidating ways to key out flowers. Limited to 15. To register, please contact Gwen via e-mail (preferably) at gkittel@tnc.org or by phone at (303) 258-0908. Meeting time and location will be mailed to registrants.

Post Fire Vegetation of Wild Basin

June 15, 2002 Saturday from 8:00 AM - 3:00 PM

Leader: Joyce Gellhorn

Come explore the fascinating revegetation of Wild Basin since the Ouzel fire in 1978, at which point **Joyce Gellhorn** began studying the vegetation of this area. One focus of her study has been to compare the growth of aspen suckers at the edge of the burned area to that of seedlings in more severely burned locations. Please register with Joyce by e-mail at jgellhorn@sprynet.com or by phone at (303) 442-8123. Limited to 15 people.

Crested Butte Wildflower Festival

July 8-14, 2001

Visit Crested Butte for a week of botanical celebrations, including a wide variety of wildflower related events from wildflower photography to garden tours! Experience breathtaking mountain landscapes and magnificent native flora. For more information, contact Michelle at (970) 349-2571 or visit www.visitcrestedbutte.com/wildflower.

Elevational Transect of Willows

August 3, 2002 Saturday from 9:00 AM - 5:00 PM

Leader: Gwen Kittel

Learn to identify willows using vegetative characters alone. We will start on the plains and work our way up in to the subalpine by car, with some hiking. To register, please contact Gwen via e-mail (preferably) at gkittel@tnc.org or by phone at (303) 258-0908. Details will be mailed to registrants. Limited to 15 people.

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ROCKY FLATS HERBARIUM

Jody K. Nelson, Exponent

The Rocky Flats Environmental Technology Site is a U.S. Department of Energy (DOE) manufacturing facility on the western edge of the Denver metro area that produced nuclear weapons components during the Cold War. In operation from the early 1950's through 1989, the Site is now shut down and is a Superfund cleanup site. Although the Site typically makes the news with respect to cleanup operations, most people are unaware of the ecological resources at the Site. It is not a nuclear wasteland as some might imagine, but is home to an abundance of wildlife, plants, and plant communities, many of which are uncommon, and rapidly disappearing from the Front Range as urban sprawl increases.

As part of the ecological monitoring conducted at the Site, plant voucher specimens have been collected over the past 30 years to document the flora of the Site. An early floristic inventory of the Site was conducted in the early 1970's by Dr. William A. Weber and his students, Gregory Kunkel and Leila Shultz from the University of Colorado at Boulder. They reported 327 vascular plant species, 25 lichens, and 16 mosses in their study.

Since the early 1990's, ecological monitoring has continued as part of the cleanup and closure activities. As part of this monitoring, species inventories have been conducted throughout the various plant communities on-site to document the flora of the Site and assist in the development of monitoring and natural resource management plans and activities. Voucher specimens of each new plant species record for the Site have been collected and maintained in the Site herbarium.

As of the end of 2001, a Site flora of 600 vascular plant species has been documented, representing 81 plant families and 324 genera. The families with the greatest representation at the Site include Asteraceae (101), Poaceae (96), Fabaceae (34), Cyperaceae (30), Brassicaceae (28), and Rosaceae (28). The herbarium collection includes almost 1100 mounted and labeled specimens. An electronic database was developed and used for storage of specimen information and production of herbarium labels.

Unfortunately, because of limited public access to the Site for security reasons, few people have been aware of, or able to view, the herbarium specimens that document the flora of the Site. Therefore the complete Site herbarium collection was donated by the DOE and Kaiser-Hill to the University of Colorado Herbarium (COLO) at Boulder in December 2001. Placement of the herbarium collection at COLO provides a permanent home for the plant collections documenting the flora of Rocky Flats, which is important for both their biological and historical value. In addition, it makes the Site collection available to researchers, students, and the public, while still providing accessibility for future studies at the Site, as well. New records and collections at the Site will also be deposited at COLO.

Special thanks go to Tom Ranker and Tim Hogan of COLO for their assistance in making this transfer possible.

WELCOME NEW MEMBERS

Eric Lane, Membership

The Colorado Native Plant Society is very pleased to welcome the following new members who joined the Society between January 1 and February 15, 2002:

Susan Anderson, Patrick Baldwin, Kathleen Davenport, Jim Gano, Mimi Gillatt, Adalbert Goertz, John E. Irvin, Steve Jennings, Nic and Mary Korte, Stephen M. Loy, Howard Matz, George L. Mohar, Rochelle Murray, Erik Nilsen, Terence H. Ryan, Linda Smith, Sallie Sprague, Crystal Strouse, and James K. Turner.

CoNPS DONORS

In 2001, many members made donations to the Society, either through the Marr Fund, Steinkamp Fund, or General Fund. Donations to the Marr Fund in 2001 totaled \$1,751 bringing the fund to \$36,700. Donations to the Steinkamp Fund totaled \$4,715 bringing the fund to \$22,900. The principal of the two Funds earns interest to fund research grants. General donations, which are used to support CoNPS activities including conservation efforts, education, and outreach, totaled \$1,132 in 2001. All contributions are very important to the success of CoNPS. Thanks to the following donors, as well as to 17 others who wished to remain anonymous:

Sue Ellen Alishouse and Les Golden, Craig Alseike, Ann Armstrong, Gay Austin, Beverly Baker and Paul Minter, Larry Ballard, Bradley Barrett and Elizabeth Mansfield, Richard and Linda Beidleman, Rochelle Blumenstein, Linda Boley, Martha Anne Booth, Linda Bourgeois, Sally Boyson, Leo P. Bruederl, Sallee Bruhwiler, Dennis and Lisa Buechler, Elinor and Duncan Burchard, Vivian Burrows, Patricia Butler, Sue Cannon, Judy Capra, Kathy Carsey, City of Lafayette, Dina Clark, Carolyn Crawford and Bill Jennings, Mary Damm, Jeffrey and Carol Dawson, Robert Dellapina, Amy Desautell, David Dickerson, Hobart Dixon, Barbara Dolder, Jerry and Sarann Duncan, Elizabeth Emmer, James Erdman, Kevin Essington, Carol Fashing, Gilbert Fechner, Richard and Martha Fisher, William Goosmann, Ann Grant, Donald and Jane Hall, Elizabeth Hall, Susan Harris, Emily Hartman, Ron Hartman, Merri Helm, Cindy and Bill Henk, Dexter and Fern Hess, Lorraine Higbie, Tim Hogan, Janis Huggins, Tina Jones, Sue Ann Kamal, Leah Keller, Charles and Anita King, Diana Kinsey, Nicole Korbe, Kenneth and Cindy Lair, Melissa Landon and Denise Culver, Denise Larson, Ivo Lindauer, John Martin, Sue Martin, Paula and Arthur Mears, Paul and Annette Miller, Carol Minar, John Moore, Patrick Murphy, William Murray, Betsy Neely and Alan Carpenter, Katharine Noll, Larry Nygaard and Connie Merz, Margaret Oakes, Benjamin Oblas, Neal Osborn, Elizabeth Otto, Donald Parker, Patricia Ploegsma, Eric Rechel and Kate Ellis, Sandy Righter, Andrea Robinsong, Rocky Mountain Wetlands, Renee Rondeau, Mary Lou Rottman, Carla Scheck, Matt Schweich and Becci Siegle, Diana Shannon and Tim Dolan, Moras Shubert, Todd Sliker, Edward Smelko, Gregory Smith, Steffens & Associates, Inc., Joe Stevens, James and Victorine Trammell, Ron Turner, Hazel Tuttle, Jeffrey Uhlich and Janell Edman, Gretcher Van Reyper, Olin Webb, Gayle Weinstein, Lori and Roland West, Suzanne and William Wuerthele, Lorraine and Dick Yeatts.

Thanks go to our CoNPS Treasurer for compiling this information for *Aquilegia*.

GARY PAUL NABHAN VISIT RESCHEDULED**April 11-12, 2002**

Dr. Gary Paul Nabhan is the author of many articles, chapters, and books, including his 1997 *Cultures of Habitat: On Nature, Culture, and Story*. It has been stated that "Many ecologists write of nature, treating it as an object separate from the world of people, [but] Gary Paul Nabhan writes in nature, finding relevance to human existence in the life of the wild."

Gary Paul Nabhan is co-founder of Native Seeds/SEARCH, former Director of Science at the Arizona-Sonora Desert Museum, and member of the Ethnobiology and Conservation Team. He has been awarded a MacArthur Fellowship, a Pew Scholarship for conservation research, and a John Burroughs Medal for nature writing. His other books include: *Gathering the Desert*, *The Forgotten Pollinators* (co-authored with Stephen Buchmann), *Enduring Seeds: Native American Agriculture and Wild Plant Conservation*, *Desert Legends: Restoring the Sonoran Borderlands*, and *The Geography of Childhood: Why Children Need Wild Places* (co-authored with Stephen Trimble). His most recent book is *Coming Home to Eat: The Pleasures and Politics of Local Foods*.

The Colorado Native Plant Society is very pleased to announce the following events, which were rescheduled from Spring, 2001. For more information, please contact Jill Handwerk at (970) 221-3460.

April 11, 2002 Thursday from 7:30 - 9:00 PM
Food, Culture: Stewardship in Working Landscapes — Coming Home to Eat

The Provost's Lecture and Award for Interdisciplinary Environmental Achievement will be delivered in Plant Science C 146 on the campus of Colorado State University in Fort Collins. There will be a reception, book signing, and refreshments following the program, all of which is free and open to the public.

April 12, 2002 Friday from 9:00 - 11:00 AM
Plants and Pollinators in Gardens, Farms, and Wildlands

Jill Handwerk (President, Colorado Native Plant Society) will host this special CoNPS Workshop. For more information and to reserve a space, please call (970) 221-3460.

April 12, 2002 Friday from 7:30 - 9:00 PM
 Dr. Nabhan will deliver a reading from among his writings at Jade Creek Books located at 123 N. College Ave. in Fort Collins. For more information, please call (970) 484-3019.

NATIONAL WILDFLOWER WEEK**John A. Hadaway, NWW Volunteer**

During the week of May 5th through the 11th, 2002, we will be celebrating the seventh annual National Wildflower Week. Some of the activities envisioned are organized nature walks, garden projects started at your local school, and book displays about native wildflowers, as well as others. For information, visit our website at www.nationalwildflowerweek.com. On behalf of the co-sponsors and volunteers who have worked on this special celebration, we wish you a fun filled and enriching National Wildflower Week. Please direct any questions to the contact referenced at our website and feel free to distribute this information to your library, museum, schools, and others.

AN ADVENTURE IN WILDFLOWERS**Dick Moseley**

Many of us have been in the sub-alpine and alpine meadows when they are blooming in their full glory. The myriad of flowers may often enhance our appreciation of the mountains of Colorado but, at the same time, give us fits while trying to identify all of the beautiful flowers which adorn these meadows. The mystery of what flower this or that is gives us an opportunity to have an adventure in discovering its identity. Those darn yellow composites (or DYC's, as some call them) often give us the most trouble, but can be the most fun when being a wildflower detective, that is, looking for clues that can help you solve the mystery of what plant is before you. If you have ever found yourself thumbing through wildflower field guides and still having doubts with regard to the flower in front of you, then a Colorado Trail Foundation's (CTF) wildflower class is for you.

The Colorado Trail Foundation offers two one-week classes in wildflower identification at their CTF Education Center, which is located on the Alpine Scenic By-Way, northwest of Lake City. The classes include field trips to the incredible wildflower areas of American Basin, Cinnamon Pass, Grizzly Gulch, and the Burroughs Park area near the Center, thereby providing students with a diversity of habitats and plants. Last year during their stay in the beautiful San Juan Mountains, the classes identified 181 species of plants. For many of the students, the week was a magical time in the mountains and gave them the confidence to identify the plants before them.

The classes this year are being offered during the weeks of July 21 - 27, 2002 and July 28 - August 3, 2002. For more information and to register, please contact Gudy Gaskill at (303) 526-2721 or gudyct@ecentral.com or Charlotte Briber at (303) 526-0809. Come and have a wildflower adventure this summer!

AQUILEGIA LAUNCHING NEW FEATURE**Kathy Damas, Horticulture and Restoration**

Interest in native plant gardening is growing like a weed! (Pardon the pun). Beginning with the next issue of *Aquilegia*, we will be featuring a Native Plant Gardening column to promote the use of native plants in home landscapes AND improve your chances for success with our local beauties. We have some ideas, but would love to hear from you as to what YOU want from this column. Possibilities include: featuring specific plant(s) in detail; describing when and what types of maintenance to perform; choosing plants for wildlife; groupings that work in specific microclimates; what to look for when purchasing native plant material or seeds — you name it, literally.

If you have suggestions on other topics or would be willing to write an article or two (which is MOST welcome), please contact Kathy Damas at knkdamas@mindspring.com or (303) 543-1492. We have some extremely knowledgeable people among our members and it would be great to have your input. This column is for you, so please help us give you what you want to make it a success. Think Spring!

SEDGES 2002: USES, DIVERSITY, AND SYSTEMATICS OF CYPERACEAE

A three-day conference on the uses, diversity, and systematics of the sedge family (Cyperaceae) is planned for June 6-8, 2002 at Delaware State University. The sedges are a large, ecologically and economically important family found in many habitats and climates throughout the world. This conference is hosted by the Claude E. Phillips Herbarium of DSU and sponsored by the Natural Resources Conservation Service of the United States Department of Agriculture. The first day is devoted to programs by researchers on an array of subjects including systematics, weed ecology, horticulture, conservation, wetland restoration, and ethnobotany. On the second day, local field trips will enable conference participants to see a variety of sedges, mostly members of the large and taxonomically complex genus *Carex*. Identification workshops, again primarily for *Carex*, will be held on the third day. To be placed on the mailing list for future notices and registration, please send your name, address, and telephone number via e-mail to Robert Naczi at rnaczi@dsc.edu.

BOULDER COUNTY NATURE ASSOCIATION FIELD CLASSES

Identification of Spring Wildflowers

In this class, **Joyce Gellhorn** will focus on identification of flowering plants of the East Slope of the Front Range. Emphasis will be placed on learning to use taxonomic keys to identify native plants.

Part I: April 25 and May 2, Thursdays from 6:30 - 9:30 PM, indoor class; May 4, Saturday from 9:00 AM - 3:00 PM, field class

Part II: May 9 and 16, Thursdays from 6:30 - 9:30 PM, indoor class; May 18, Saturday from 9:00 AM - 3:00 PM, field class

Tuition: \$65 for Part I or II (\$55 for BCNA members); \$120 for both parts (\$105 for BCNA members). Contact Joyce at (303) 442-8123 or via e-mail at jgellhorn@sprynet.com.

Rooted in Rock:

Botany and Geology of Six-Mile Fold

From rare twin bladderpod to ubiquitous yucca, from locally sparse limestones to widespread shales, Joyce Gellhorn will show us how to use plants and rocks to "read" one another.

May 7, Tuesday from 6:30 - 9:30 PM, indoor class

May 11, Saturday from 8:30 - 11:30 AM, field class

Tuition: \$40 (\$35 for BCNA members); contact Joyce at (303) 442-8123 or via e-mail jgellhorn@sprynet.com

Prairie Dog Ecology

Do prairie dogs really destroy rangeland? Why do females eat their nephews? What is life like inside a burrow? **Steve Jones** will discuss the most recent research, while you spend a morning observing prairie dog behavior.

May 14, Tuesday from 7:00 - 9:00 PM, indoor class

May 19, Sunday from 7:00 - 11:00 AM, field class.

Tuition: \$40 (\$35 for BCNA members); contact Steve at (303) 494-2468 or via e-mail at stvjones@peakpeak.com.

CLASSES AT ROCKY MOUNTAIN BIOLOGICAL LABORATORY

Plant-Animal Interactions

June 13 - July 13, 2002. **Dr. Kristina Jones** (Harvard University) and **Jennifer Reithel** (University of California, Irvine). In this class we will design, execute, and analyze field experiments involving interactions between plants and animals, including pollination, herbivory, and seed dispersal. Each week will have a different theme, and will include reading and discussing primary literature to get ideas, then coming up with our own experiments. The final paper for the course will be in the form of a grant proposal by each student on a topic of their choice. Prerequisite: one year of college biology.

Field Botany

July 14 - August 10, 2002. **Dr. George Weiblen** (University of Minnesota). The Rocky Mountains are a natural laboratory in which to studying flowering plant diversity across a range of environments. Field Botany focuses on identifying local flora, surveying plant communities, recognizing plant families, and learning field techniques for plant ecology and systematics. No prerequisites. For more information, visit our website at www.rmbl.org or contact Ian Billick at director@rmbl.org or (970) 349-7231.



Apocynum cannabinum

COLORADO BEES INTEREST AND STUDY GROUP

Adalbert Goertz

Bees and Plants go together. Whosoever tries to study bees, has to know the local plants. Unfortunately, there are few experts for Colorado bees since the days of Cockerell more than 50 years ago. I have been trying to build up a plant-bee check list for Colorado Springs on my website at www.cyberspace.org/~goertz/ins.html. This note is to call on people to get interested in Colorado Apoidea and exchange notes. If you want to fight invading plants, you'd better look at the role of the introduced honeybee in this. There is also a need to look at other insect orders, which play a part in pollination.

DEADLINE APPROACHES

Submit *Aquilegia* Contributions by April 15, 2002

Submit contributions for Vol. 26 No. 3 of *Aquilegia* on or before April 15, 2002. Articles not exceeding 1000 words are especially welcome. Previously published articles submitted for reprinting require permission. Include author's name, address, and affiliation. Anonymity may be requested. Follow the format from previous issues closely. Spell check. Submit via e-mail or on disks — MAC, preferably — as an MS Word or rtf (rich text format) document.

CHAPTER NEWS

Boulder Chapter

The Boulder Chapter invites you to join us for a guest speaker, refreshments, book sales, and socializing, on the second Thursday of the month through April at 7:00 PM. We now meet at the City of Boulder Open Space and Mountain Parks offices, 66 South Cherryvale Road. From South Boulder Road, go south on Cherryvale one-tenth of a mile and turn west onto a lane that leads back to the offices. We'll meet in the north building conference room. For more information, contact Chapter President Kathy Damas at (303) 543-1492.

April 11, 2002 Thursday at 7:00 PM Keeping Nature at Bay — Wildlife Conservation in Great Britain

Eddie Boosey is visiting Boulder from England and has graciously agreed to share his slides, stories, and knowledge of British flora and fauna. Please join us for this unique opportunity. **NEW PROGRAM!**

May 9, 2002 Thursday at 5:30 PM Annual Picnic and Hike

Location and destination to be announced — watch *Aquilegia* for details.

Fort Collins Chapter

Meetings are held at 7:00 PM in the Main Conference Room of the National Center for Genetic Resources Conservation (formerly National Seed Storage Laboratory) at CSU located west of the railroad tracks, about one block north of Pitkin St.; enter on west side of building. Members are invited to join the speaker for dinner at Coopersmiths in Old Town, Fort Collins at 5:30 PM prior to the meeting. For more information, contact Chapter President Annette Miller at (970) 482-3063 or almiller@lamar.colostate.edu.

April 2, 2002 Tuesday at 7:00 PM Restoration Efforts at Rocky Mountain National Park

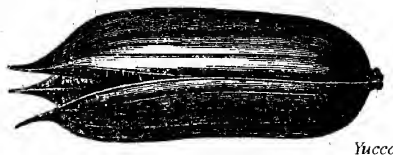
Jeff Connors, (Resource Specialist, RMNP) will discuss restoration efforts that have been undertaken at Rocky Mountain National Park using both native and local genotypes. Jeff will also talk about natural versus manipulative restoration.

May 4, 2002 10:00 AM - 2:00 PM Sand Hills Flora Field Trip

Join **Annette Miller** and landowners **John and Kathy Wagner** for a walk around their sand hills property just southwest of Fort Morgan. We will meet at the entrance to their property at 10:00 AM on Saturday and carpool to areas of special interest. The trip is timed to hopefully catch sand cherries (*Prunus besseyi*) in bloom. The group limit is 30, with a possibility of limited primitive camping for five to ten. To register, contact Annette Miller at (970) 482-3063 or almiller@lamar.colostate.edu. Directions and information will be sent to registrants.

Metro-Denver Chapter

Monthly meetings are held at 7:00 PM from September through April at the Denver Botanic Garden on York. For exact DBG location and more information, please contact Chapter President Denise Larson at (303) 733-4338 or [Leo P. Bruederle](mailto:Leo.P.Bruederle@earthlink.net) at lbruederle@earthlink.net. Prior to the meeting at 5:30 PM, members are invited to join the speaker for pizza at Angelo's located at 620 East 6th Avenue (between Pearl and Washington) in Denver.



Yucca

March 26, 2002 Tuesday at 7:00 PM Penland Alpine Fen Mustard: To be or not to be

Penland alpine fen mustard (*Eutrema penlandii*) is a globally rare species restricted to Colorado's Mosquito Range. Its closest relative is the circumboreal *E. edwardsii*. In 1987, W.A. Weber subsumed *E. penlandii* into its North American congener, publishing the name *E. edwardsii* ssp. *penlandii*. Since then, there has been considerable interest and debate among taxonomists and conservation biologists regarding the systematic relationship between the two taxa. Marr Fund recipient **Kim Fayette Regier** (Biology, University of Colorado at Denver) will present the results of her research — including some surprises.

April 30, 2002 Tuesday at 7:00 PM Floristic Survey of the Upper Arkansas Valley and Lower Gore Range

Intense floristic inventories have been the focal point of the Rocky Mountain Herbarium (RMH) at the University of Wyoming since the 1970's. Marr Fund recipient **Emily Holt** (Botany, University of Wyoming) will discuss her Master's research, which comprised a floristic survey of the Sawatch Range (including the Collegiate Peaks and the highest Peak in Colorado, Mount Elbert), the eastern Mosquito Range, the southern Gore Range, and a portion of the Eagle Valley between Vail and Dotsero. The total area covers approximately 3,000 square miles and includes seventeen of Colorado's 54 peaks over 14,000 feet. Her research uncovered new and previously documented populations of over 30 of Colorado's rare plants!

Plateau Chapter

Chapter activities are scheduled throughout the year. For more information, contact Chapter President Jeanne Wenger at (970) 256-9227 and Bluecrow2u@aol.com or Program Chair Lori Brummer at (970) 641-3561 and lbrummer@gunnison.com.

March 23, 2002 Saturday at 10:00 AM Devil's Canyon Field Trip

Cindy Carlson will lead us on this trip in Colorado National Monument to look for lichens. Bring water, lunch and hand lens. This trip will not involve much walking. We will carpool to the trailhead on a good gravel road. Meet at the Acorn station at the intersection of I-70 and Hwy 6 and 50. Please contact Cindy at (970) 245-6465 to confirm trip details.

April 6, 2002 Saturday at 9:30 AM Grass Identification Workshop

This Grand Junction workshop, which will be held from 9:30 AM to 2:30 PM, will provide an opportunity to get to know common local native and non-native grasses. There will be a fee of \$15 to help cover the cost of travel for speakers; other details are forthcoming. To register, please contact **Gay Austin** at austinaceae@frontier.net or (970) 641-6264.

April 27, 2002**Rabbit Valley Field Trip**

Join us on this field trip, during which we should see a nice variety of spring desert plants. This is a perfect trip for beginning botanists and plant enthusiasts, as well as those with seasoned plant identification skills. For more information, please contact **Gretchen Van Reyper** at gretchv@juno.com or (970) 835-3268.

Saturday

**May 18-19, 2002 Saturday and Sunday
Grand Junction Gunnison Bluffs Field
Trip and CoNPS Board Meeting**

Jeanne Wenger will lead this field trip into the Gunnison Bluffs area near Clifton. Meet at 9:30 AM on Saturday at the Colorado Department of Transportation Park and Ride south of Grand Junction. This is located across Hwy 50, where Hwy 141 heads east to Clifton, about one mile north of Whitewater. The Park and Ride is on the west side of the road. The Board meeting will take place at 9:00 AM on Sunday at the Forest Service office in Grand Junction, which is located at 2777 Cross Road Blvd. Traveling north on Horizon Drive, turn left (west) at the first stop light past I-70. For more information, please contact Jeanne Wenger at (970) 256-9227 and Bluecrow2u@aol.com or Gay Austin at (970) 641-6264 and austinaceae@frontier.net.

Watch local media for other activities or, for more information, contact Jeanne Wenger at (970) 256-9227 and Bluecrow2u@aol.com or Lori Brummer at (970) 641-3561 and lbrummer@gunnison.com.

*Lobelia cardinalis***June 8, 2002****Mt. Callahan Field Trip**

This field trip, which is being developed for beginners, will take place near Grand Junction. This trip is weather and plant dependent. If it's a late spring, we'll have to delay this outing by one or two weeks. Contact Jeanne Wenger at (970) 256-9227 or Bluecrow2u@aol.com for more information.

Southeast Chapter

Activities for the Southeast Chapter are scheduled throughout the year. For more information about the Chapter, as well as news and activities, please contact President Dan Fosha at (719) 572-6972 or danfosha@aol.com.

April 23, 2002 Tuesday at 7:00 pm**The Central Shortgrass Prairie**

Steve Kettler (Eastern Colorado Conservation Scientist, The Nature Conservancy) will give a program entitled "The Central Shortgrass Prairie: An Ecoregional Assessment and Conservation Blueprint." This meeting of the Southeast Chapter will be held at the Beidleman Environmental Center located at 740 W. Caramillo St. in Colorado Springs. For more information, call (719) 572-6972.

May 29, 2002 Wednesday at 7:00 pm**Rare and Endemic Plants of the Arkansas River Valley Barrens**

Tass Kelso (Professor, Colorado College) will discuss the ecology of rare and endemic plants of the Arkansas River Valley barrens. This meeting of the Southeast Chapter will be held at the Beidleman Environmental Center located at 740 W. Caramillo St. in Colorado Springs. For more information, call (719) 572-6972.

Southwest Chapter

For more information about the Southwest Chapter, as well as news and activities, please contact Chapter President Sandy Friedley at (970) 884-9245 or by e-mail at friedley@frontier.net.

April 6, 2002 9:30 - 11:00 am**The Cacti of the Four Corners Area**

Ken Heil, Professor of Botany and Geology at San Juan College in Farmington, New Mexico has offered to present a lecture and slide show on the cacti of the Four Corners region. Ken is currently working with the San Juan Basin

Flora project and is a noted authority of cactus of the region. This is a wonderful opportunity to see the unique habitats and specialized adaptations of the cactus occurring in the area. The program will be presented from 9:30 to 11:00 a.m. at Fort Lewis College in Durango, Colorado. Room reservations will be announced. Contact Sandy at 970-884-9245 for more information.

May 11, 2002**McElmo Canyon Vicinity**

Join **Marian Rohman** and **Leslie Stewart** on this trip, during which we will explore the canyons above McElmo Canyon. Numerous rock formations and soil anomalies in the area offer the opportunity to visit some of the unique plant communities. We'll meet at 9:00 AM at the M & M Truck Stop parking lot at the junction of Route 666 and County Road G on the west side of Cortez. Plan to bring a lunch. The hiking could be quite steep depending on how adventurous we are, so wear sturdy hiking boots. Call Marian Rohman at 970-565-9327 for more information.

June 8, 2002**Flora of Upper Piedra River Drainage**

Dick Moseley and **Charlie King** have kindly invited us take a tour of the plant communities occurring on the slopes above the Piedra drainage. Unique geology, orchids and possibly ice caves are on the agenda. Contact Charlie King (970-731-4794) or Dick Moseley (970-731-5918) for more information.

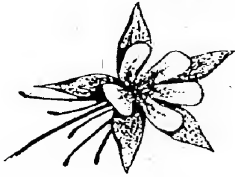
July 13, 2002

To Be Announced – agenda dependent upon moisture conditions.

August 3, 2002 10:00 am**American Basin and Cinnamon Pass**

Dick Moseley will lead us to explore the spectacular wildflowers of American Basin. We'll meet at the trailhead into American Basin at 10:00 a.m. and have the opportunity to explore the gentians, columbines, paintbrush, violets and other flowering wonders that make this area so spectacular. After lunch, we'll head up to the top of Cinnamon Pass to explore the alpine communities and possibly some unique wetlands. Contact Dick Moseley at (970) 731-5918 for more information.

Colorado Native Plant Society



The Colorado Native Plant Society is a non-profit organization dedicated to the appreciation and conservation of the Colorado native flora. Membership is open to all with an interest in our native plants, and is composed of plant enthusiasts both professional and non-professional.

Please join us in helping to encourage interest in enjoying and protecting Colorado's native plants. The Society sponsors field trips, workshops, and other activities through local chapters and statewide. Contact the Society, a chapter representative, or committee chair for more information.

Schedule of Membership Fees

Life	\$250
Supporting	\$50
Organization or Corporate	\$30
Family or Dual	\$20
Individual	\$15
Student or Senior	\$8

Membership Renewal/Information

Please direct all membership applications, renewals, and address changes to the Eric Lane (Chair of Membership), Colorado Native Plant Society, P.O. Box 200, Fort Collins, CO 80522. Please direct all other inquiries regarding the Society to the Secretary at the same address.

Aquilegia

Aquilegia is published four or more times per year by the Colorado Native Plant Society. This newsletter is available to members of the Society and to others with an interest in native plants. Articles for *Aquilegia* may be used by other native plant societies or non-profit groups, if fully cited to author and attributed to *Aquilegia*.

Articles not exceeding 2000 words in length and shorter items fewer than 500 words in length, such as unusual information about a plant, are especially welcome. Previously published articles submitted for reprinting require permission. Camera-ready line art or other illustrations are also solicited. Please include author's name and address, although anonymity may be requested. Articles submitted via e-mail or on disks (MAC preferably, or IBM) are appreciated. Please indicate word processing software and version; if possible, submit as an RTF (rich text format) file.

Please direct all contributions to the newsletter to:

Leo P. Bruederle
Biology, Campus Box 171
University of Colorado at Denver
P.O. Box 173364
Denver, CO 80217-3364
E-Mail: lbruederle@earthlink.net

Officers

President	Jill Handwerk ..	970-491-5857
Vice-President ..	David Anderson ..	970-484-0774
Secretary	Alice Guthrie ..	303-651-3127
Treasurer	Georgia Doyle ..	970-491-6477

Board of Directors

Jill Handwerk (03) ..	Fort Collins ..	970-491-5857
Sue Kamal (03)	Greeley	970-353-9240
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David Anderson (02) ..	Fort Collins ..	970-484-0774
Gay Austin (02)	Gunnison	970-641-6264
Gwen Kittel (02)	Boulder	303-258-0908
Laurel Potts (02)	Fort Collins ..	970-625-4769
Neil Snow (02)	Greeley	970-330-4823

Chapter Presidents

Boulder	Kathy Damas	303-543-1492
Fort Collins	Annette Miller ..	970-495-3240
Metro-Denver	Denise Larson ..	303-733-4338
Plateau	Jeanne Wenger ..	970-256-9227
Southeast	Dan Fosha	719-572-6972
Southwest	Sandy Friedley ..	970-884-9245

Standing Committees and Chairs

Conservation	Joe Rocchio	720-494-0876
Education and	Jill Handwerk	970-491-5857
Outreach	and Alice Guthrie ..	303-651-3127
Field Studies	Neil Snow	970-330-4823
Field Trips	Gwen Kittel	303-258-0908
Finance	Denise Culver	970-225-1930
.....	and Georgia Doyle ..	970-491-6477
Horticulture and	Kathy Damas	303-543-1492
Restoration	and Lisa Tasker ..	970-544-3633
Membership	Eric Lane	303-239-4182
Newsletter	Leo P. Bruederle ..	303-556-3419
Sales	Ann Armstrong ..	720-564-2052
.....	Sue Kamal	970-353-9240
.....	and Laurel Potts ..	970-625-4769
Rare Plant	Eleanor	
Monograph	Von Barga	303-756-1400
Research Grants	Neil Snow	970-330-4823
Website	Bob Clarke	970-242-6067
Workshop: East	Bill Jennings	303-666-8348
West	Gay Austin	970-641-6264

MEMBERSHIP APPLICATION AND RENEWAL FORM

Name(s) _____

Address _____

(Address) _____

City _____ State _____ Zip _____

Phone (____) _____ E-mail _____

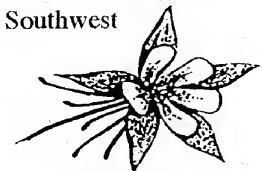
Chapter: ☐ Boulder ☐ Fort Collins ☐ Metro Denver ☐ Plateau ☐ Southeast ☐ Southwest

MEMBERSHIP CLASS:

Dues cover one calendar year.

- ☐ Individual, \$15.00
- ☐ Family/dual, \$20.00
- ☐ Senior, \$8.00
- ☐ Student, \$8.00
- ☐ Corporate, \$30.00
- ☐ Supporting, \$50.00
- ☐ Lifetime, \$250.00

In addition to my membership, I have included \$_____ as a contribution to the John Marr Fund (endowment in support of small grants-in-aid of research), \$_____ as a contribution to the Myrna P. Steinkamp Memorial Fund (endowment in support of small grants-in-aid of research), or \$_____ as a general contribution to the Society.



CoNPS IS A NON-PROFIT ORGANIZATION — DUES AND CONTRIBUTIONS ARE TAX-DEDUCTIBLE

CALENDAR

CHAPTER EVENTS

- Boulder Chapter**
 April 11 Keeping Nature at Bay
 May 9 Annual Picnic and Hike
- Fort Collins Chapter**
 April 2 Restoration Efforts at RMNP
 May 4 Sand Hills Flora Field Trip
- Metro Denver Chapter**
 March 26 Penland Alpine Fen Mustard
 April 30 Upper Arkansas Valley and Lower Gore Range
- Plateau Chapter**
 April 6 Grass Identification Workshop
 April 27 Rabbit Valley Field Trip
 May 18 Gunnison Bluffs Field Trip
 June 8 Mt. Callahan Field Trip
- Southeast Chapter**
 April 23 Central Shortgrass Prairie

- May 29 Arkansas River Valley Barrens
- Southwest Chapter**
 April 6 Cacti of the Four Corners Area
 May 11 McElmo Canyon Field Trip
 June 8 Flora of the Upper Piedra River
 August 3 American Basin and Cinnamon Pass

SOCIETY EVENTS

- Board Meeting**
 April 13 Longmont, CO
 May 19 Grand Junction, CO

FIELD TRIPS

- May 4 Sand Hills Flora Field Trip
 May 26 Revegetation of Bent's Old Fort Historic Park
 June 1 Beginner Wildflower Identification
 June 15 Post Fire Vegetation of Wild Basin
 August 3 Elevational Transect of Willows



Colorado Native Plant Society
 P.O. Box 200
 Fort Collins, Colorado 80522
<http://www.conps.org>

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 Here



TIME SENSITIVE MATERIAL